

# Tri-channel Linear DC Power Supply

MPS-3003L-3/3005L-3



- Over current protection
- Constant voltage and constant current mode
- No external attachment
- High efficiency, light weight, small volume
- The two channels are automatically connected in series or parallel mode by the switch inside the machine
- Preset limit current points
- Low pipple and noise
- In series mode, the positive and negative power output can be formed
- It is easier to set voltage values by multi-loop potentiometers
- Two color four LED digit display voltage,current

Model	MPS-3003L-3	MPS-3005L-3
<b>Technical parameters</b>		
Input voltage	220VAC±10% 50Hz±2Hz	
Rated output voltage	0-30V*2 / 5V*1	0-30V*2 / 5V*1
Rated output current	0-3A*2 / 3A*1	0-5A*2 / 3A*1
Working mode	Two independent output + fixed 5V/3A output	
Series	0-60V/3A/5A	
Parallel	0-30V/6A/10A	
<b>Voltage characteristics</b>		
Power effect	CV≤0.01%+3mV	CC≤0.2%+3mA
Effect of load	CV≤0.01%+3mV (I≤3A) CV≤0.02%+5mV (I>3A)	CC≤0.2%+3mA (I≤3A) CC≤0.2%+5mA (I>3A)
Ripple and noise	CV≤1.0mVr.m.s (I≤3A) CV≤2.0mVr.m.s (I>3A)	CC≤3mAr.m.s (I≤3A) CC≤6mAr.m.s (I>3A)
<b>Current stability</b>		
Power effect	≤0.2%+3mA	
Effect of load	≤0.2%+3mA	
Ripple and noise	≤3mArms	
<b>In parallel mode</b>		
Power effect	≤0.01%+3mV	
Effect of load	≤0.01%+3mV (I≤3A)	≤0.02%+5mV (I>3A)
<b>Series model</b>		
Power effect	≤0.01%+5mV	
Effect of load	≤300mV	
Positive and negative power supply	The road error is less than 0.5%+10mV main road (no load, load time is required to load less than 300mV)	
<b>Display</b>		
Voltage display	3 digit display ±0.5%+2d	
Current display	3 digit display ±1%+2d	
<b>Fixed output power</b>		
Rated output voltage	5V±0.25V	
Rated output current	3A	
Power effect	≤5mV	
Effect of load	≤15mV	
Ripple and noise	≤2.0mVr.m.s	
Protection	Current display and short circuit protection	
Using environment	0~+40°C Relative humidity < 80%	
Working time	Full load continuous working time > 8 hours	
<b>Weight and size</b>		
Net weight (kg)	8.5	9.5
Gross weight (kg)	9.2	10.3
Instrument size (W*H*D)	250*150*380	
Packing size (W*H*D)	350*250*450	